

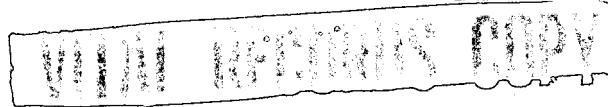


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IMAGERY  
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PHOTOGRAPHIC INTELLIGENCE REPORT



LATTICE TOWERS AT SOVIET

MISSILE LAUNCH PADS

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NIMA/DOD



25X

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CIA/PIR 61057

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CIA IMAGERY ANALYSIS DIVISION

CIA/PIR-6105725X

## LATTICE TOWERS AT SOVIET MISSILE LAUNCH PADS

Lattice towers have been observed at various ICBM and space associated launch pads in the USSR. These towers appear both at the Tyuratam Missile Test Center and at deployed ICBM sites. This report deals with only one specific deployed site, Yurya F.

The towers are of steel lattice construction and are positioned diagonally across their associated pads. Figure 1 presents the probable structural configuration of the towers at the sites so specified. The towers at Tyuratam pads G-1 and G-2 each have an object located at the top, possibly an antenna of some type. These are the only towers with such an object visible. The function of these towers has not been determined.

The placement of the towers is similar, two towers to a pad, each located off opposite corners of the pad. Figure 2 shows the relationship of the towers to each of the launch pads covered in this report. Each pad has been arbitrarily given an orientation of zero degrees, regardless of its orientation to north. The bearing given for each tower is from this orientation. The heights of the towers and their distances from the center of their associated launch pads vary from one launch facility to another.

The following table gives the location of each tower, the bearing from the arbitrary pad orientation, the distance from the center of the pad, and the height of each.

Lattice Tower Specifications at Soviet Missile Launch Pads

<u>Location of Pad</u>	<u>Orientation from Pad</u>	<u>Distance from Center of Pad</u>	<u>Tower Height</u>
A-2 TT	150 degrees right	190 feet	155 feet
A-2 TT	30 degrees left	90 feet	130 feet
*A-4 TT			
B-1 TT	115 degrees right	175 feet	220 feet
B-1 TT	65 degrees left	175 feet	220 feet
E-1 TT	30 degrees right		

\* A-4 has no lattice towers of the type described in this report. There are three light standards, each 50 feet tall, located around the pad.

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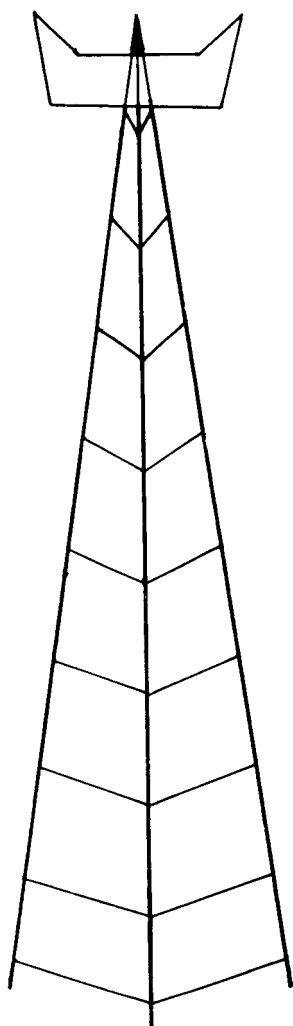
REQUIREMENT

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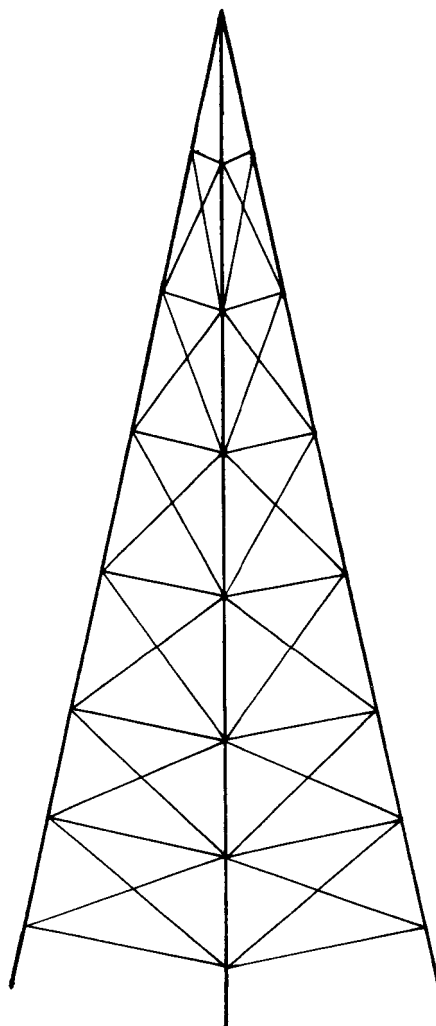
CIA/IAD PROJECT

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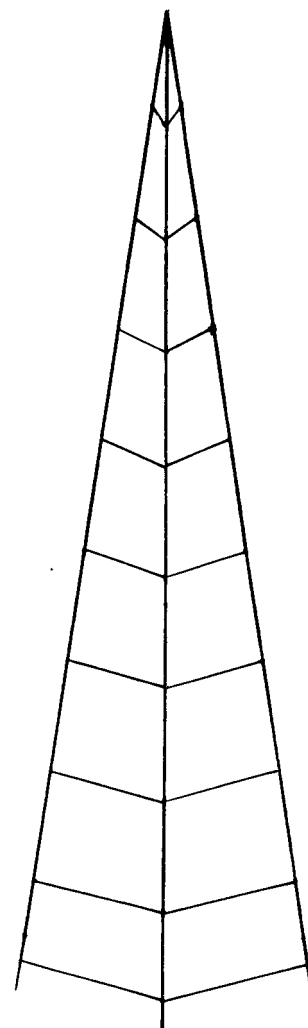
## Typical Configuration of Lattice Towers at Soft Launch Pads



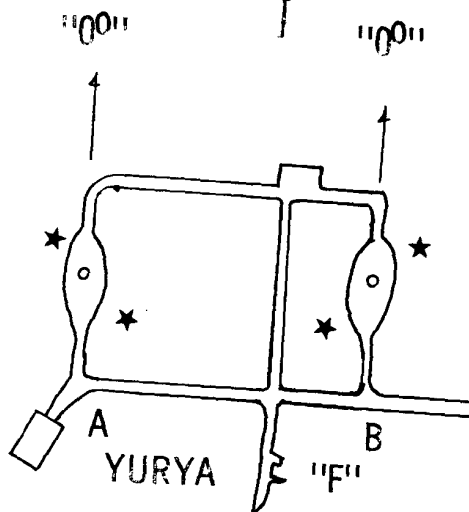
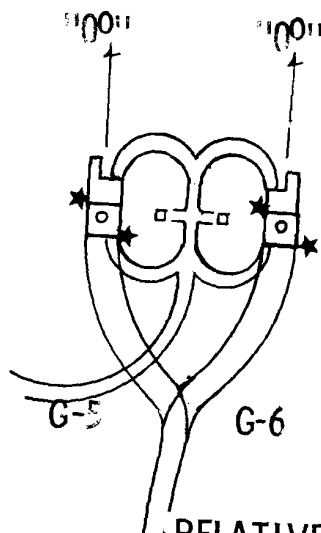
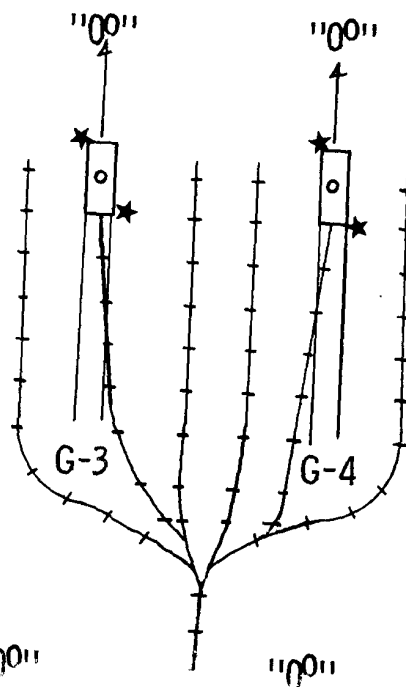
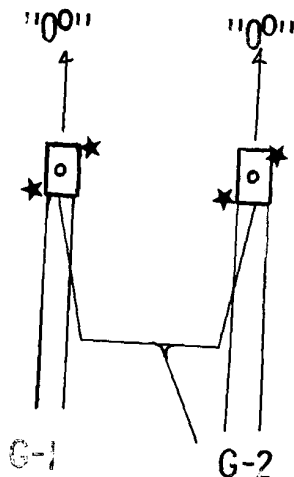
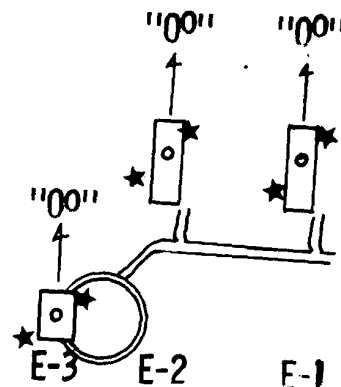
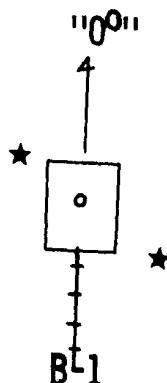
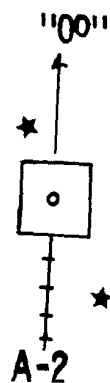
Tyura Tam  
Pads G-1, G-2



Tyura Tam  
Pads G-3, G-4



Tyura Tam  
Pads B-1, E-1, 2, 3  
G-5, G-6  
Yurya F



RELATIVE POSITIONS OF TOWERS AT SOFT PADS  
(Not to scale)



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